CG

RESTRICTED CIRCULATION

THIS PAPER IS NOT AN OFFICIAL DOCUMENT; IT IS FOR INFORMATION ONLY AND MUST NOT BE QUOTED IN ANY PRINTED PUBLICATION

Agricultural Memorandum No 692

Agroclimatic Areas - Sunshine Averages 1941-70

L P Smith

Monthly maps of average hours of bright sunshine have been prepared by Met O 3 for 1941-70.

Areal average values for the new agroclimatic classification were estimated visually and the results are given in the Appendix. The figures should be reliable to within 1 or 2 tenths of an hour, and it is suggested that they can be used as a basein the approximate calculation of potential transpiration for the areas. Subsequent Ag Mems will give similar details of areal averages of mean temperature, potential transpiration and rainfall.

Any comments or suggestions on this paper should be referred to the author.

Meteorological Office
Bracknell

January 1975

FH1

CG

1941-70 Sunshine Averages (hours/day)

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1 North	1.6	2.6	3.4	5.0	5.7	6.1	5.4	4.9	4.3	3.0	1.8	1.4
1 South	1.4	2.6	3.4	4.9	5.5	6.0	5.2	4.7	4.1	2.9	1.8	1.5
2	1.1	2.2	2.9	4.4	5.3	5.5	4.5	4.2	3.2	2.5	1.4	0.9
3	1.4	2.5	3.5	5.5	5.8	6.5	5.2	4.9	3.7	2.8	1.9	1.3
5	1.4	2.4	3.3	4.7	5.6	5.9	5.0	4.6	4.2	3.0	1.8	1.4
6 West	0.9	1.8	2.9	4.0	5.3	5.4	4.4	4.1	3.3	2.3	1.3	0.9
6 East	1.2	2.0	3.0	4.5	5.4	5.5	4.6	4.3	3.5	2.5	1.5	1.0
7	1.3	2.3	3.3	4.8	5.7	6.1	5.2	4.8	4.2	2.9	1.6	1.1
8	1.3	2.3	3.3	5.0	6.0	6.5	5.4	5.1	4.3	2.8	1.7	1.2
9	1.5	2.5	3.8	5.5	6.6	6.9	5.8	5.5	4.4	3.0	2.0	1.4
10	1.0	1.8	2.9	4.2	5.4	5.7	4.7	4.4	3.5	2.5	1.3	0.9
11	1.2	2.1	3.1	4.6	5.6	6.0	5.2	4.6	3.8	2.8	1.6	1.1
12	1.4	2.3	3.2	4.7	5.8	6.2	5.3	4.7	4.0	2.9	1.7	1.2
13	1.4	2.3	3.3	4.9	5.9	6.3	5.5	5.1	4.3	3.1	1.8	1.2
14	1.4	2.4	3.5	5.1	5.9	6.6	5.4	4.9	3.9	2.8	1.7	1.4
15 West	1.2	2.1	3.2	4.7	5.6	6.3	5.1	4.8	3.7	2.7	1.5	1.2
15 East	1.3	2.2	3.3	4.6	5.7	6.2	5.3	4.8	3.8	2.7	1.6	1.2
16	1.4	2.3	3.3	4.8	5.9	6.3	5.4	5.0	4.1	2.9	1.8	1.2
17 West	1.6	2.5	3.6	5.3	6.4	6.7	5.8	5.5	4.2	3.2	1.9	1.4
17 East	1.7	2.4	3.7	5.2	6.3	6.7	5.8	5.4	4.3	3.3	1.9	1.5
18 North	1.6	2.5	3.5	5.1	6.0	6.6	5.5	5.2	4.1	2.9	1.7	1.5
18 South	1.7	2.4	3.6	5.0	5.9	6.6	5.4	5.1	4.0	2.9	1.8	1.6
19	1.4	2.1	3.4	4.9	5.7	6.5	5.3	4.9	4.1	2.8	1.6	1.4
20	1.3	2.2	3.4	4.8	5.7	6.4	5.3	5.0	4.2	3.0	1.7	1.3
21	1.6	2.3	3.6	5.1	6.0	6.5	5.7	5.2	4.3	3.1	1.8	1.3
22 West	1.4	2.3	3.4	4.9	5.9	6.4	5.5	5.2	4.3	3.1	1.7	1.3
22 East	1.5	2.5	3.5	5.0	6.3	6.5	5.7	5.5	4.5	3.2	1.8	1.4
23	1.7	2.4	3.8	5.5	6.6	7.0	6.1	5.6	4.7	3.5	2.0	1.5
24	1.7	2.4	3.9	5.5	6.7	6.9	6.2	5.6	4.7	3.5	2.0	1.6
25 North	1.7	2.4	3.7	5.2	6.0	6.6	5.8	5.3	4.3	3.0	1.9	1.6
25 South	1.6	2.4	3.6	5.2	6.1	6.7	5.7	5.4	4.3	3.0	1.9	1.5
26	1.7	2.4	3.6	5.4	6.1	6.7	5.9	5.4	4.3	3.2	1.9	1.4
27	1.6	2.4	3.6	5.3	6.2	6.8	6.0	5.5	4.4	3.2	1.9	1.5
28	1.6	2.4	3.7	5.2	6.4	6.9	6.0	5.6	4.6	3.3	1.9	1.5
29	1.7	2.4	3.8	5.6	6.6	7.1	6.2	5.8	4.8	3.4	2.0	1.5
30	1.6	2.4	3.7	5.3	6.2	6.8	6.0	5.5	4.3	3.3	1.9	1.4

AREA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31 North	1.7	2.5	3.7	5.5	6.3	6.8	6.1	5.7	4.5	3.2	2.0	1.5
31 South	1.8	2.6	3.7	5.7	6.6	6.9	6.2	5.8	4.8	3.3	2.2	1.6
32	1.7	2.3	3.7	5.3	6.2	7.0	6.3	5.9	4.7	3.3	1.9	1.4
33	1.6	2.4	3.7	5.4	6.3	7.0	6.3	5.9	4.8	3.4	2.0	1.5
34	1.7	2.5	3.9	5.7	6.9	7.5	6.8	6.2	5.0	3.7	2.1	1.5
35	1.8	2.6	4.1	5.7	6.4	6.9	6.4	5.9	4.4	3.3	2.1	1.7
36	1.7	2.7	3.9	5.6	6.5	6.9	6.1	5.8	4.6	3.2	2.2	1.7
37 North	1.8	2.5	3.9	5.7	7.0	7.1	6.7	6.0	4.9	3.7	2.1	1.7
37 South	1.9	2.7	4.1	6.1	7.5	8.0	7.2	6.5	5.4	4.0	2.4	1.8
38 North	1.7	2.4	3.9	5.5	6.8	7.3	6.8	6.1	4.9	3.8	2.2	1.5
38 South	1.9	2.7	4.1	6.1	7.5	8.0	7.2	6.5	5.4	4.0	2.4	1.8
39 West	1.7	2.4	3.9	5.6	6.7	7.2	6.6	6.1	5.0	3.9	2.1	1.6
39 East	1.9	2.5	4.0	6.0	7.2	7.7	7.0	6.5	5.3	4.0	2.3	1.7
40	1.9	2.8	4.3	6.2	7.2	7.4	6.8	6.3	5.0	3.7	2.4	1.8
41	1.8	2.7	4.1	5.7	6.5	6.8	6.2	5.7	4.5	3.3	2.2	1.6
42	1.8	2.7	4.2	5.8	6.8	7.0	6.4	6.0	4.8	3.4	2.3	1.7
43 NW	1.3	2.4	3.8	5.3	6.0	6.5	5.8	5.2	3.9	2.9	1.8	1.4
43 SE	1.8	2.6	4.2	5.8	6.8	7.1	6.5	5.8	4.5	3.5	2.2	1.9
44	1.6	2.5	4.0	5.6	6.3	6.7	6.1	5.6	4.5	3.1	1.9	1.4
45 West	1.9	2.9	4.1	5.9	6.9	7.1	6.8	6.2	4.8	3.4	2.2	1.9
45 East	1.9	2.8	4.2	5.8	6.7	7.0	6.5	6.2	4.9	3.3	2.3	1.9
46	2.0	2.9	4.2	6.0	7.1	7.4	7.0	6.6	5.2	3.9	2.4	1.9
47	1.8	2.9	4.3	5.9	7.1	7.3	6.0	5.9	4.5	3.4	2.1	1.6
48 North	1.1	2.0	3.3	4.5	5.3	5.7	4.7	4.5	3.5	2.4	1.4	1.0
48 South	1.2	2.1	3.5	4.8	5.5	5.9	5.0	4.8	3.7	2.5	1.5	1.1
49 North	1.5	2.2	3.5	4.8	5.5	6.0	5.0	4.7	3.6	2.6	1.6	1.1
49 South	1.4	2.1	3.5	4.9	5.4	6.2	4.8	4.7	3.6	2.5	1.5	1.0
50	1.7	2.6	3.9	5.5	6.5	7.0	5.8	5.5	4.3	3.0	1.9	1.5
51	1.5	2.2	3.5	5.1	5.9	6.4	5.5	5.2	4.0	2.7	1.7	1.2
52	1.7	2.6	3.8	5.4	6.3	6.8	6.0	5.5	4.4	3.2	2.0	1.5
Isle of Man	1.7	2.8	3.9	5.3	6.7	6.8	6.3	5.5	4.3	3.1	2.0	1.5
Isle of Wight	2.2	3.0	4.6	6.6	7.5	8.5	7.6	7.0	5.6	4.1	2.5	2.0
Scillies	1.9	2.9	4.3	6.3	7.6	7.5	6.7	6.5	5.1	3.7	2.5	1.9
Channel Islands	2.0	3.0	4.8	6.9	8.0	8.5	8.2	7.4	5.5	4.0	2.4	1.8